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**CLAIMS**

A. Cancel claims 1-3, 6, 10, 14-16, 19, 28, 35-36, 69-77, 84, 91-93, 119 and 140.

B. Insert new claims 147-153.

147. A method of purifying juice obtained from plant material, comprising the steps of:

- a. obtaining plant material;
- b. removing juice from said plant material to obtain a process liquid, wherein said process liquid contains sucrose, non-sucrose substances, and water, and wherein a portion of said non-sucrose substances comprise dissolved material;
- c. heating said process liquid to a temperature between about 55.degree. C. to about 80.degree. C.;
- d. introducing a mixture of gases into said process liquid;
- e. establishing a process liquid-gas interface area between said process liquid and said mixture of gases; and
- f. reducing concentration of said dissolved material within said process liquid to less than the initial concentration of said dissolved material in said process liquid.

148. A method of purifying juice obtained from plant material as described in claim 147, further comprising the steps of:

- a. spreading said process liquid over the surface area of a container; and
- b. venting the interior of said container to atmosphere.

149. A method of purifying juice obtained from plant material as described in claim 148, wherein said step of spreading said process liquid over the surface area of a container comprises applying centrifugal forces to said process liquid.

150. A method of purifying juice obtained from plant material as described in claim 148, wherein

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said step of applying centrifugal forces to said process liquid comprises centrifugal forces greater than three times gravity.

151. A method of purifying juice obtained from plant material as described in claim 150, further comprising the steps of: a. dispersing said process liquid to increase said process liquid-gas interface; and b. flowing a mixture of gases through dispersed process liquid.
152. A method of purifying juice obtained from plant material as described in claim 151, further comprising the steps of: a. dispersing said process liquid to increase said process liquid-gas interface; and b. reducing partial pressure of gases at said liquid-gas interface.
153. A method of purifying juice obtained from plant material as described in claim 152, wherein said step of reducing partial pressure of gases at said liquid-gas interface comprises generating partial pressures of gases below atmospheric pressure.